

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus comprising:

a container having an outermost wall that is formed at least in part by a ~~one~~ flexible top sheet, the container further including a fluid receiving port, a fluid discharge port, and a plurality of compartments fluidly coupled to at least one of the fluid receiving port and the fluid discharge port;

wherein the fluid receiving port is configured to receive a continuous flow of a biological fluid that includes a target antigen, and wherein the fluid discharge port is configured to emit a continuous flow of the biological fluid that is at least partially depleted of the target antigen while the fluid receiving port receives the continuous flow of the biological fluid;

wherein at least one of the compartments further comprises a plurality of magnetic beads that carry an affinity marker that binds the target antigen; and

wherein the target antigen is separated from the biological fluid using a magnetic force and an automatic mechanical force, wherein ~~at least one of the magnetic force and the~~ automatic mechanical force is ~~are~~ transmitted through the flexible top sheet.
2. (Previously Presented) The apparatus of claim 1 wherein at least one of the compartments includes a fluid selected from the group consisting of a buffer, a wash fluid, an isotonic fluid, and an elution fluid.
3. (Previously Presented) The apparatus of claim 1 wherein the affinity marker is selected from the group consisting of an antibody, an antibody fragment, and a lectin.
4. (Previously Presented) The apparatus of claim 1 wherein at least one of the compartments further includes a port that allows draining of the at least one of the compartments.

- 5 (Previously Presented) The apparatus of claim 1 wherein the biological fluid comprises whole blood.
- 6 (Previously Presented) The apparatus of claim 1 wherein the target antigen is present on any of a stem cell, a diseased cell, a bacterium, and a virus.